BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Drilling of Borewells and Providing Pipelines at Vidyaranyapura area in Ward No. 09 (Vidyaranyapura).

Estimated Cost : Rs. 20.00 Lakhs

Head of Account : 009-20-000078
P3293 14th Finance Commission Works

Name of Agency: Sri Somashekar. S, No. 94, New No. 441/15, Allalasandra, GKVK Post, Bangalore - 560065.

Work order No: BBMP/EE/BTP/WO/187/2020-21 Dated: 04.02.2021.

	Measurements Recarded on :						
Sl No	**Description of item**	**No**	**L**	**B**	**D**	**Qty**	**Rate / Unit**
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction						Each
	Thindlu Colony GKVK Double Road	1				1	
	Guru Dharshan Layout 3rd Cross	1				1	
						2	

Assistant Engineer
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Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)						Mtrs
	Borewell 2 Nos						
	0 to 50 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
3	50 to 100 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
4	100 to 150 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
5	150 to 200 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
6	200 to 250 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
7	250 to 300 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
8	300 to 350 m						
	Thindlu Colony GKVK Double Road	1	50.00			50.00	
	Guru Dharshan Layout 3rd Cross	1	50.00			50.00	
						100.00	
9	350 to 400 m						
	Thindlu Colony GKVK Double Road	1	51.00			51.00	
	Guru Dharshan Layout 3rd Cross	1	55.00			55.00	
						106.00	
						100.00	

4/7

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
10	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty						Mtrs
	175 mm dia MS Pipe x 5.4mm thick						
	Thindlu Colony GKVK Double Road	13	6.00			78.00	
		1	4.00			4.00	
	Guru Dharshan Layout 3rd Cross	13	6.00			78.00	
		1	5.00			5.00	
						165.00	
						140.00	

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
11	Providing 250mm dia PVC Pipe 6kg/cm						Mtrs
	Thindlu Colony GKVK Double Road	3	6.00			18.00	
	Guru Dharshan Layout 3rd Cross	3	6.00			18.00	
						36.00	

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
32	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications						Cum
	Thindlu Colony	2	30.00	0.60	0.20	7.20	
		2	30.00	0.60	0.20	7.20	
		1	25.00	0.60	0.20	3.00	
	Gurudharshan Layout 3rd Cross	2	30.00	0.60	0.20	7.20	
		2	30.00	0.60	0.20	7.20	
		1	22.00	0.60	0.20	2.64	
	2nd Cross	1	30.00	0.60	0.25	4.50	
						38.94	
						38.40	Cum

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
32	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strata by Manual Means . **Ordinary Soil**						Cum
	Thindlu Colony	2	30.00	0.60	0.45	16.20	
		2	30.00	0.60	0.45	16.20	
		1	25.00	0.60	0.45	6.75	
	Gurudharshan Layout 3rd Cross	2	30.00	0.60	0.45	16.20	
		2	30.00	0.60	0.45	16.20	
		1	22.00	0.60	0.45	5.94	
						77.49	
						76.80	Cum

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
33	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc.,						Mtrs
	75 mm dia 6 KSC PVC pipe						
	Thindlu Colony	2	30.00			60.00	
		2	30.00			60.00	
		1	25.00			25.00	
	Gurudharshan Layout 3rd Cross	2	30.00			60.00	
		2	30.00			60.00	
		1	22.00			22.00	
	2nd Cross	2	30.00			60.00	
						347.00	
						340.00	Mtrs

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
34	Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications.						Cum
	Thindlu Colony	2	30.00	0.60	0.25	9.00	
		2	30.00	0.60	0.25	9.00	
		1	25.00	0.60	0.25	3.75	
	Gurudharshan Layout 3rd Cross	2	30.00	0.60	0.25	9.00	
		2	30.00	0.60	0.25	9.00	
		1	22.00	0.60	0.25	3.30	
	2nd Cross	1	30.00	0.60	0.30	5.40	
						48.45	
						48.00	Cum

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Sl No	Description of item	No	L	B	D	Qty	Rate / Unit
	Measurements Recarded on :						
35	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including watering, consolidation in layers of 15 cm thick including disposing of the sunplus earth with a lead of 200 mtrs						Cum
	Thindlu Colony	2	30.00	0.60	0.15	5.40	
		2	30.00	0.60	0.15	5.40	
		1	25.00	0.60	0.15	2.25	
	Gurudharshan Layout 3rd Cross	2	30.00	0.60	0.15	5.40	
		2	30.00	0.60	0.15	5.40	
		1	22.00	0.60	0.15	1.98	
	2nd Cross	1	30.00	0.60	0.20	3.60	
						29.43	
						28.80	Cum

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Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97